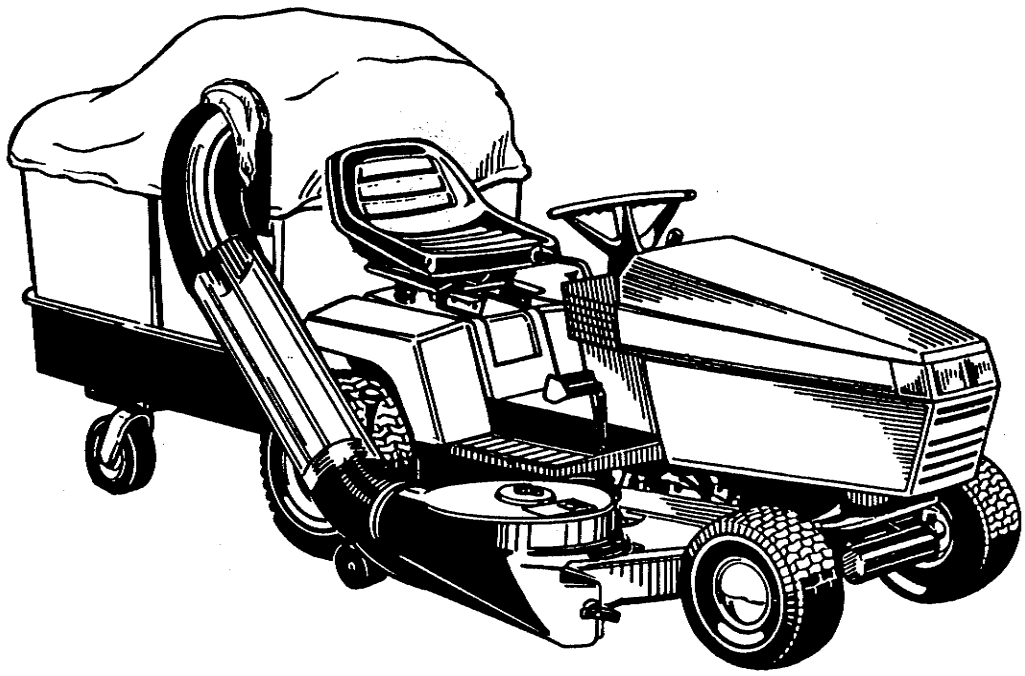
OPERATOR'S MANUAL
DUMP CART & HITCH

FOR USE AS UTILITY CART OR WITH GRASS COLLECTION SYSTEM



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Specifications

Overall Length:	38 in. (96.5 cm)
Width:	33.5 in. (95 cm)
Height:	21.5 in. (54.6 cm)
Inside Box Length:	30.5 in. (77.5 cm)
Width:	30.5 in. (77.5 cm)
Height:	9 in. (22.9 cm)
Box Capacity:	4.5 cu. ft. (.127 m^3
Weight Capacity:	300 lbs. (136.2 kg)
Pneumatic Tire Size:	410/350 x 4

Safety Rules

Read these safety rules and the safety rules in your Operator's Manual and follow them closely. Failure to obey these rules could result in loss of control of vehicle, severe personal injury to yourself, or damage to property or equipment. The triangle ⚠ in the text signifies important cautions or warnings which must be followed.

1. Know the controls and how to stop the tractor quickly. READ THE TRACTOR'S OWNER'S MANUAL.
2. Shut the engine (motor) off before attaching, adjusting or disconnecting the cart.
3. Check the cart to make sure it is attached securely to tractor.
4. Check the latch handle to make sure it is engaged so the cart's box is locked to the frame.
5. Look behind to make sure the area is clear before backing up.
6. DO NOT turn sharply when the tractor is alongside a building or any object.
7. DO drive in reduced speed on uneven ground and when turning corners.
8. Reduce loads on hillsides.

⚠ WARNING
Read and obey all safety warnings in your tractor Operator's Manual.

⚠ WARNING
Never operate on slopes greater than 30% (16.7°).

⚠ WARNING
Do Not Carry Passengers!

⚠ CAUTION
Do not carry more than 300 lbs. in the cart.

Safety Decal

Located on Box.

NO RIDERS
MAXIMUM LOAD
CAPACITY: 300 LBS.

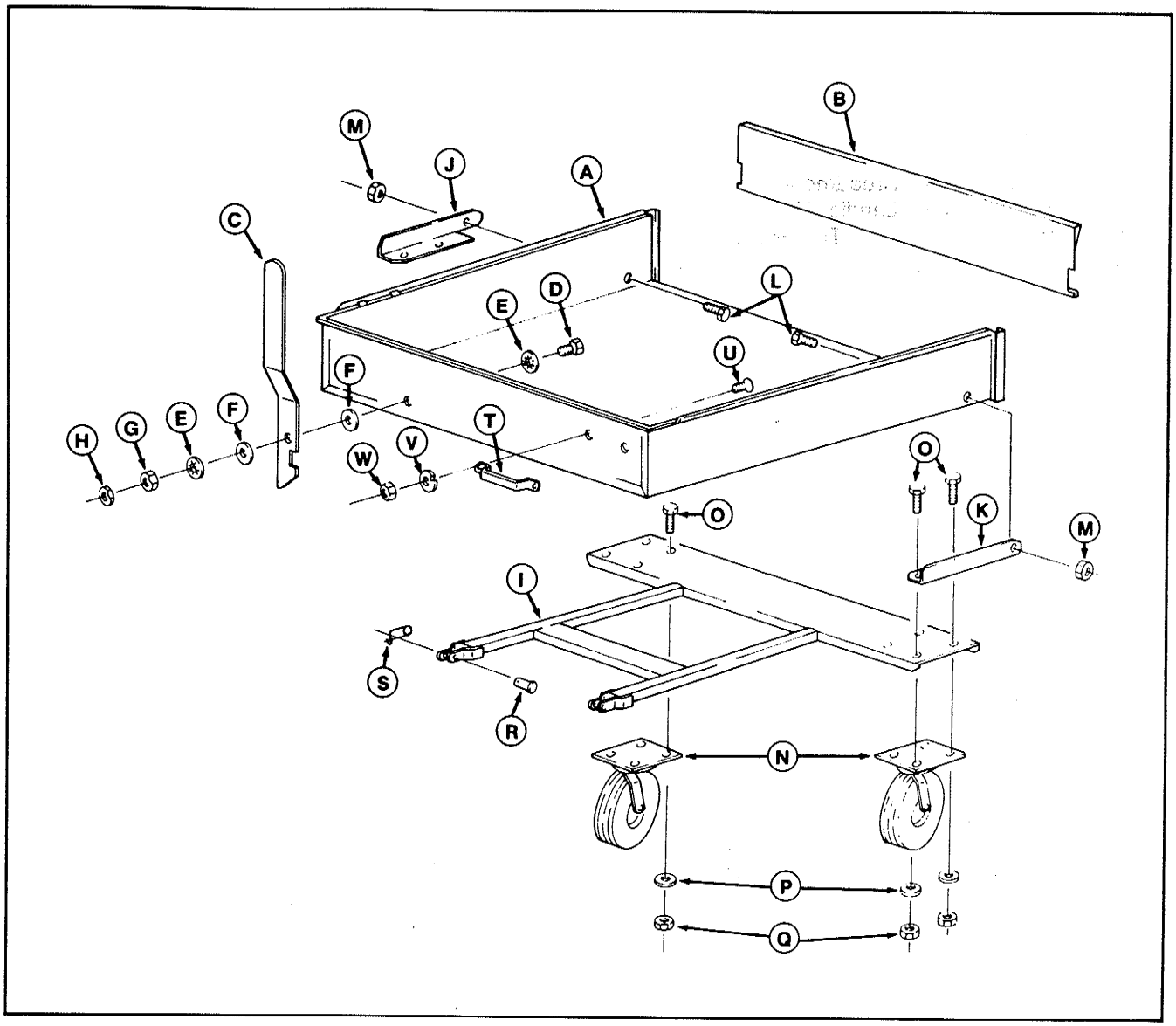


Figure 1

PARTS		QTY
A.	Box	1
B.	Tailgate	1
C.	Latch Handle	1
D.	Capscrew, 5/16-18 x 1¼	1
E.	Spring Washer, 5/16	2
F.	Flat Washer, 5/16	2
G.	Nut, 5/16-18	1
H.	Jam Nut, 5/16-18	1
I.	Frame	1
J.	Right Pivot Bracket	1
K.	Left Pivot Bracket	1
L.	Capscrew, 1/2-13 x 1	2
M.	Locknut, 1/2-13	2
N.	Swivel Wheel, 410/350-4	2

PARTS		QTY.
O.	Capscrew, 3/8-16 x 1	8
P.	Flat Washer, 3/8 S.A.E.	8
Q.	Locknut, 3/8-16	8
R.	Clevis Pin, 1/2 x 1¼	2
S.	Safety Clip	2
T.	Lift Handle	1
U.	Capscrew, 1/4-20 x 1/2	2
V.	Lockwasher, 1/4	2
W.	Nut, 1/4-20	2

Assembly of Cart

Note

Sort the hardware and arrange by size and type. Refer to Figure 1. The letters SAE indicate that the outside diameter is slightly smaller than standard flatwashers.

1. Install the swivel wheels (A, Figure 2) with right pivot bracket (B) and left pivot bracket (C) to the frame (D) with eight 3/8 x 1 capscrews, SAE flatwashers, and locknuts.

   a. The two pivot brackets (Figure 3) are installed on top of the frame with two of the four capscrews that attach the swivel wheel.

   b. Before tightening the fasteners for the pivot bracket, swivel wheel and frame, pull the pivot bracket toward the end of the frame so that there is a minimum spacing of 30 7/8" between the pivot brackets.

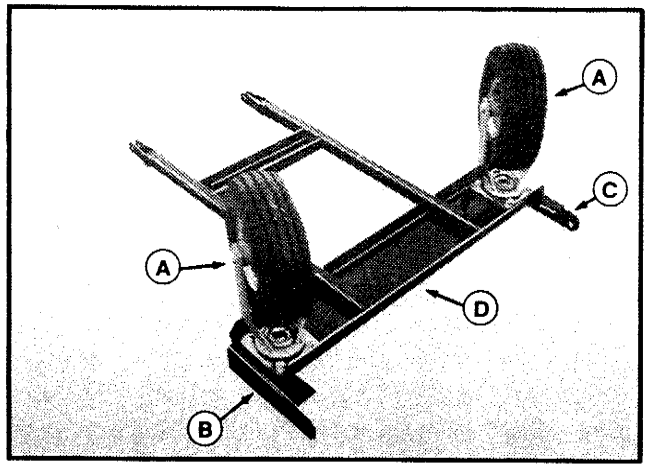


Figure 2

A. Swivel Wheel
B. Right Pivot Bracket
C. Left Pivot Bracket
D. Frame

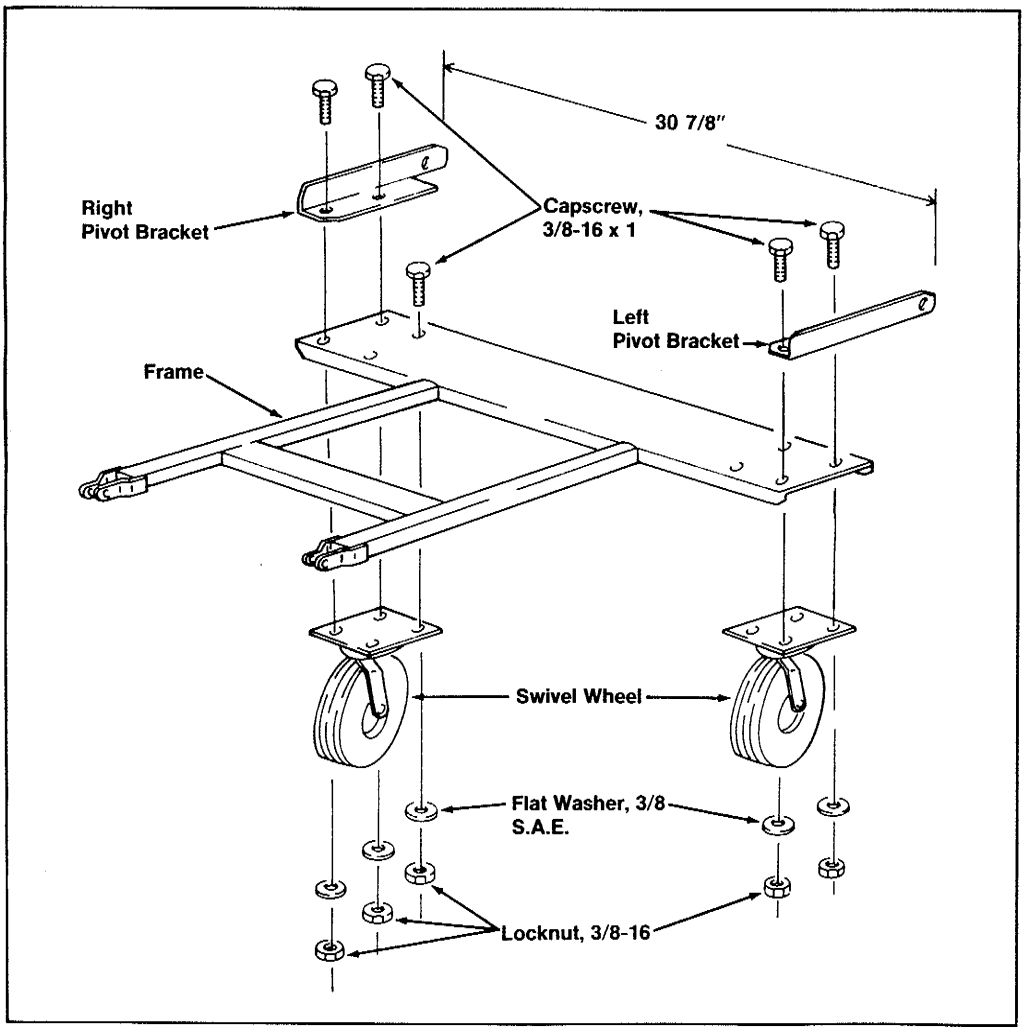


Figure 3

2. Install the cart's box (A, Figure 4).

   a. Align the box with the pivot brackets (B). Install 1/2 x 1 capscrews (C) from inside the box through the pivot bracket; secure with 1/2 locknuts (D).

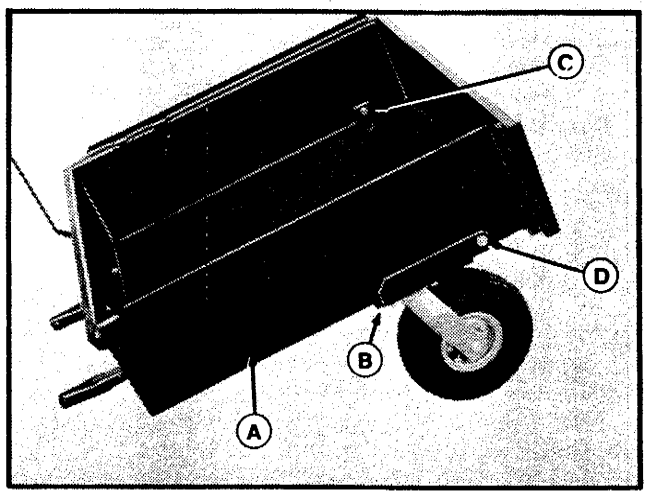


Figure 4

A. Box
B. Pivot Bracket
C. Capscrew, 1/2-13 x 1
D. Locknut, 1/2-13

3. Install the latch handle (A, Figure 5) and lift handle (B).

   a. Latch Handle: Place 5/16 x 1 1/4 capscrew with 5/16 spring washer through the inside of the box. Install in this order: 5/16 flatwasher, latch handle, 5/16 flatwasher, spring washer, 5/16 nut and jam nut. Tighten the nuts enough so that the latch handle and bolt turn together. (Be sure the cups of both spring washers are facing the box surface.)

   b. Lift Handle: Place two 1/4 x 1/2 capscrews through the inside of the box and lift handle. Secure with two 1/4 lockwashers and nuts.

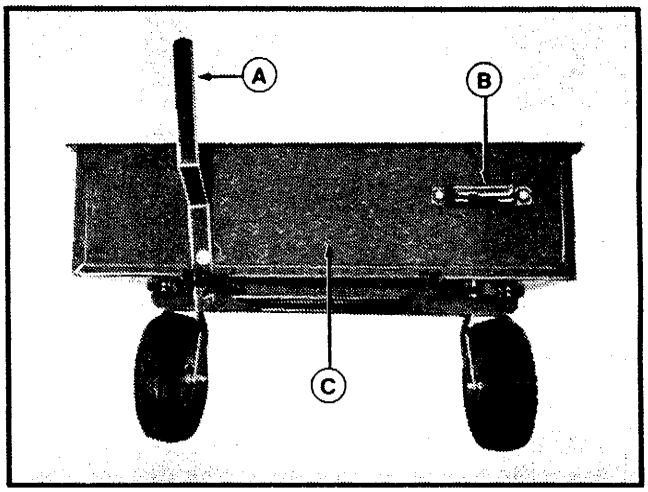


Figure 5

A. Latch Handle
B. Lift Handle
C. Box

Installation of Hitch - Broadmoor Tractors

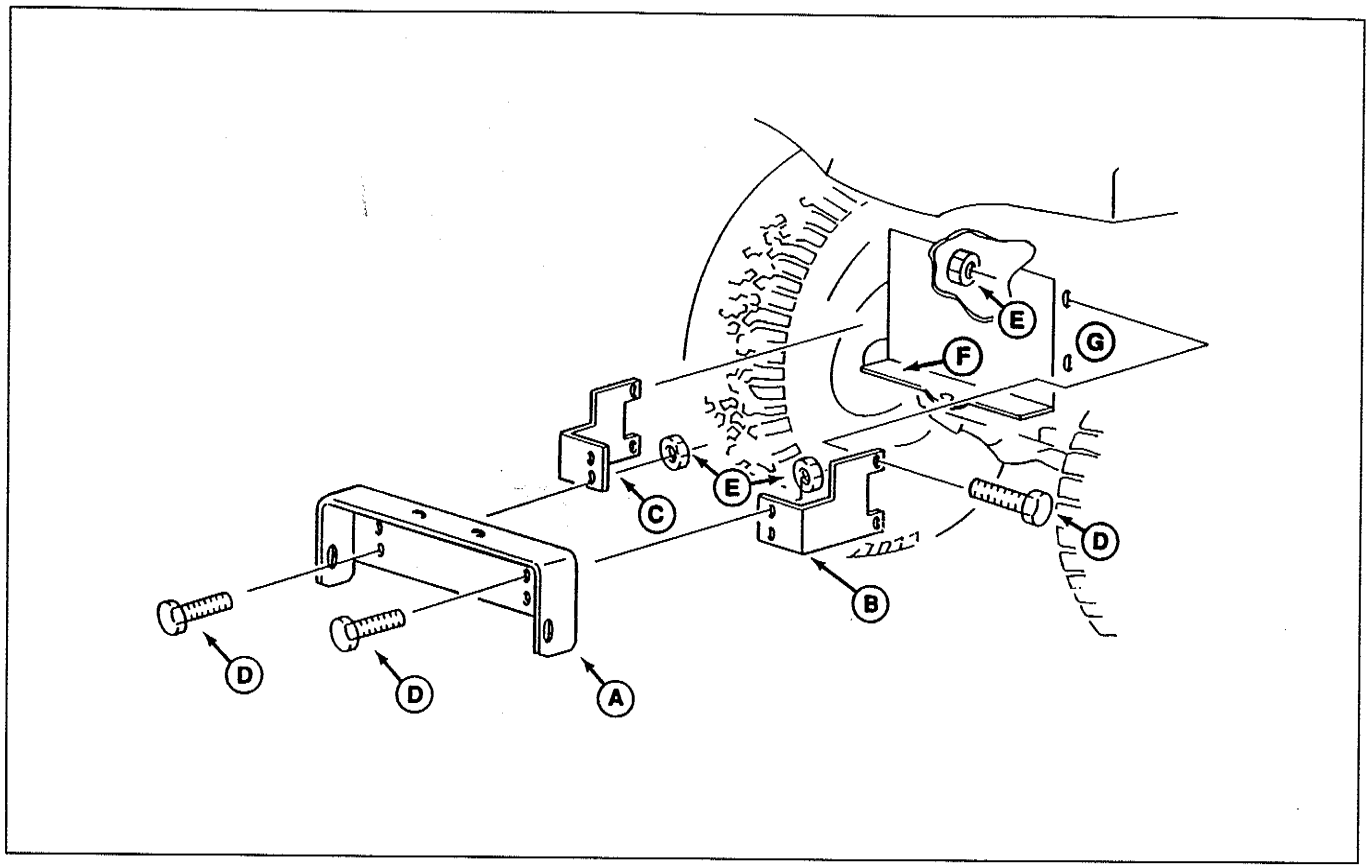


Figure 6

Note

Sort out the hardware and hitch parts. Refer to Figure 6.

Hitch Parts	Quantity
A. Hitch Bracket	1
B. Hitch Adaptor, Right	1
C. Hitch Adaptor, Left	1
D. Capscrew, 3/8-16 x 1	8
E. Locknut, 3/8-16	8
F. Drawbar	
G. Drawbar Frame	

Note

Bolt the hitch bracket (A) to the hitch adaptors left (C) and right (B) with four 3/8 x 1 capscrews (D) and locknuts (E).

Position the hitch bracket over the drawbar (F) with the two hitch adaptors on the outside of the drawbar frame (G). Secure with four 3/8 x 1 capscrews and locknuts.

Installation of Hitch - Landlord Tractors

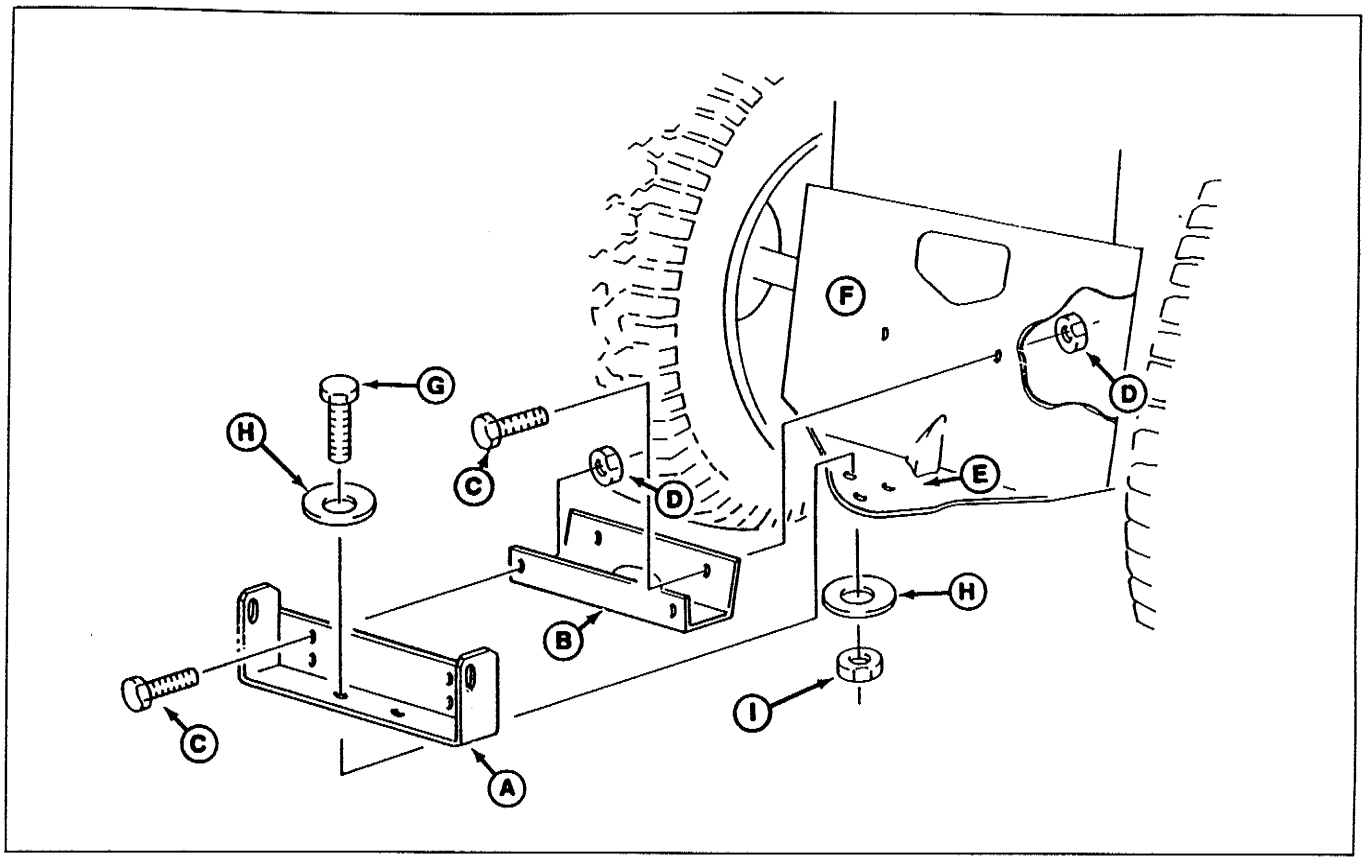


Figure 7

Hitch Parts	Quantity	Note
A. Hitch Bracket	1	Bolt the hitch bracket (A) to the hitch support (B) with two 3/8 x 1 capscrews (C) and locknuts (D).
B. Hitch Support	1	
C. Capscrew, 3/8-16 x 1	4	
D. Locknut, 3/8-16		
E. Drawbar		Place the hitch bracket on top of the drawbar (E) with the hitch support resting on backside (F) of the drawbar. Secure the hitch bracket with two 1/2 x 1 1/4 capscrews (G), flatwashers (H), and locknuts (I) and the hitch support with two 3/8 x 1 capscrews and locknuts.
F. Backside, Drawbar		
G. Capscrew 1/2-13x1 1/4	2	
H. Flatwasher 1/2	4	
I. Locknut 1/2-13	2	

Installation of Hitch - Zero Turn Rider

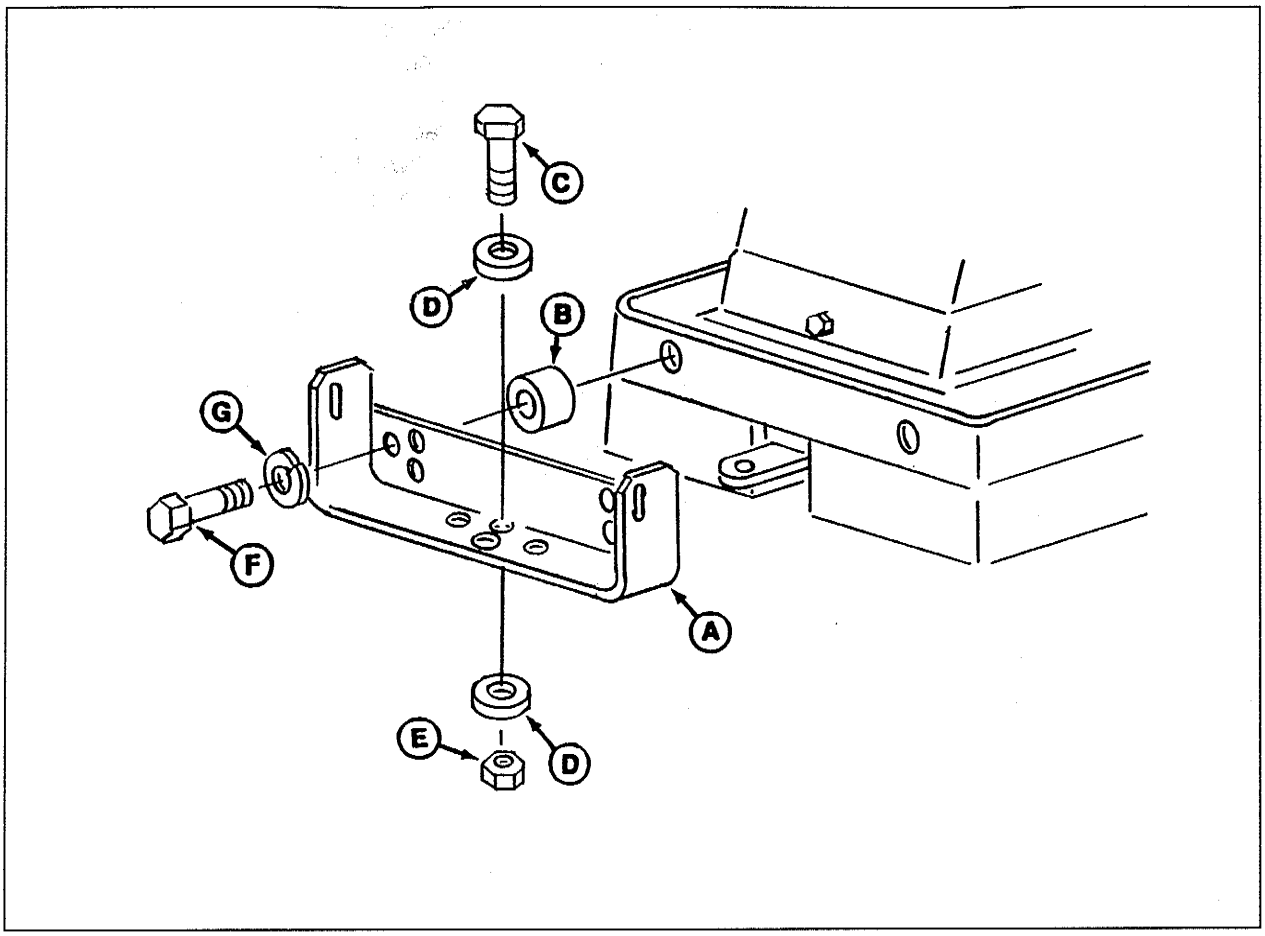
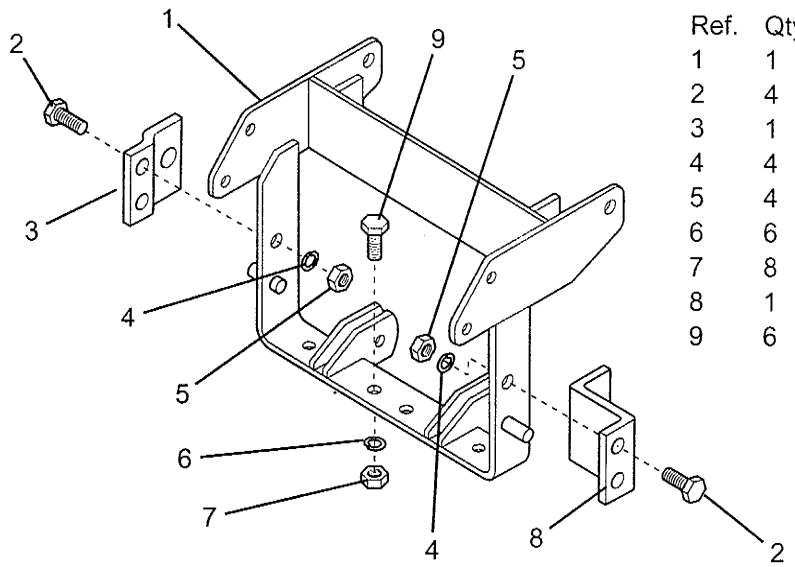


Figure 8

Hitch	Quantity	Note
A. Hitch Bracket	1	Position the hitch bracket (A,) on the drawbar. Attach the hitch bracket to the back of the rider using two 3/8 x 2 1/4 capscrews (F) with lockwashers (G), placing spacers (B) between the hitch and the rider. Insert the 3/8x1 capscrew (C) with 3/8 flatwasher (D) top and bottom. Secure with 3/8 locknut (E).
B. Spacer	2	
C. Capscrew 3/8-16 x 1	1	
D. Flatwasher 3/8	2	
E. Locknut 3/8-16	1	
F. Capscrew 3/8-16x2 1/4	2	
G. Lockwasher 3/8	2	

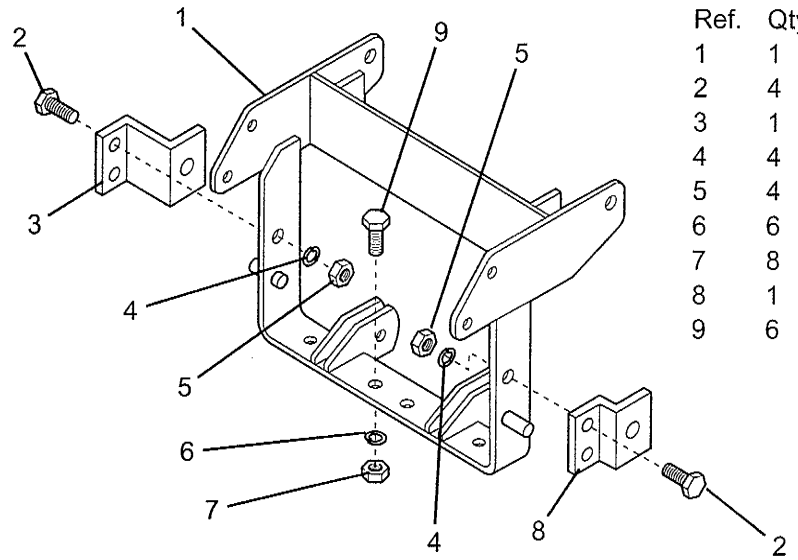
Installation of Hitch - Legacy Tractors



Ref.	Qty.	Description
1	1	Hitch
2	4	Hex Head Capscrew, 5/8-11 x 1.25
3	1	Bracket, RH
4	4	Lockwasher, 5/8
5	4	Hex Nut, 5/8
6	6	Lockwasher. 1/2
7	8	Hex Nut 1/2-13
8	1	Bracket, LH
9	6	Hex Head Capscrew, 1/2-13 x 1.25

Models with 54" Mower Decks

Figure 9



Ref.	Qty.	Description
1	1	Hitch
2	4	Hex Head Capscrew, 5/8-11 x 1.25
3	1	Bracket, RH
4	4	Lockwasher, 5/8
5	4	Hex Nut, 5/8
6	6	Lockwasher. 1/2
7	8	Hex Nut 1/2-13
8	1	Bracket, LH
9	6	Hex Head Capscrew, 1/2-13 x 1.25

Models with 48" & 60 " Mower Decks

Figure 10

Note

Rest hitch (A, Figure 11) on drawbar (D). Attach hitch (A) to channel frame (C) using four 1/2-13 x 1.25" hex head capscrews, lockwashers, and nuts. Attach hitch (A) to drawbar (D) using two hex head capscrews, lockwashers, and nuts.

Attach brackets (B) to hitch using four 5/8-11 x 1.25" hex head capscrews, lockwashers, and nuts.

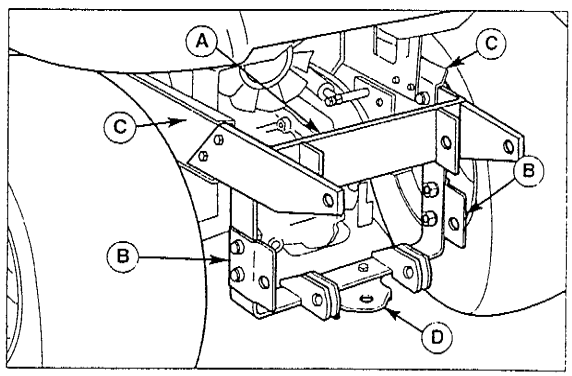


Figure 11. Hitch Assembly

A. Hitch
B. Bracket
C. Channel Frame
D. Drawbar

Maintenance

Wheels

Lubricate the wheel assembly before using the cart and as necessary thereafter. A grease fitting is located at swivel base. Use SAE multi-purpose type grease.

Tires

The tire pressure should be 30 psi.

Operation

WARNING

Shut the tractor's engine off before attaching, adjusting, or disconnecting the cart.

WARNING

Do not tow the cart on slopes greater than 30% (16.7°).

WARNING

Do Not Carry Passengers!

CAUTION

Do not carry more than 300 lbs. in the cart.

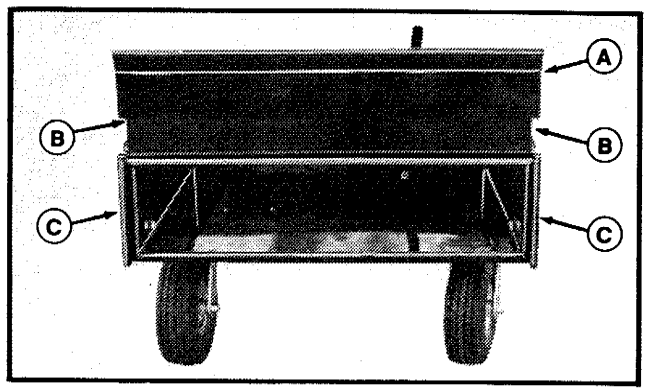


Figure 9

A. Tailgate **C. Track**
B. Slot

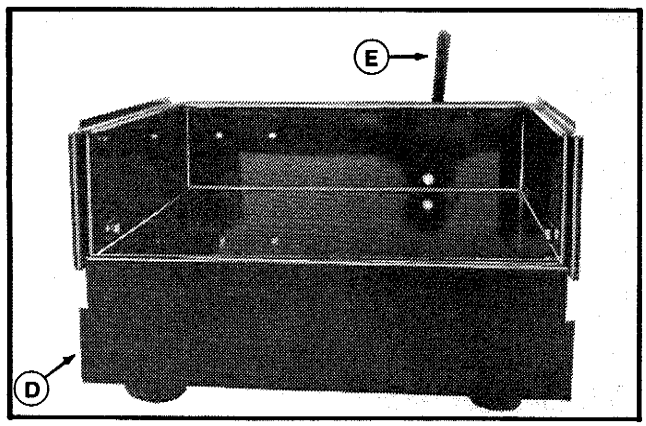


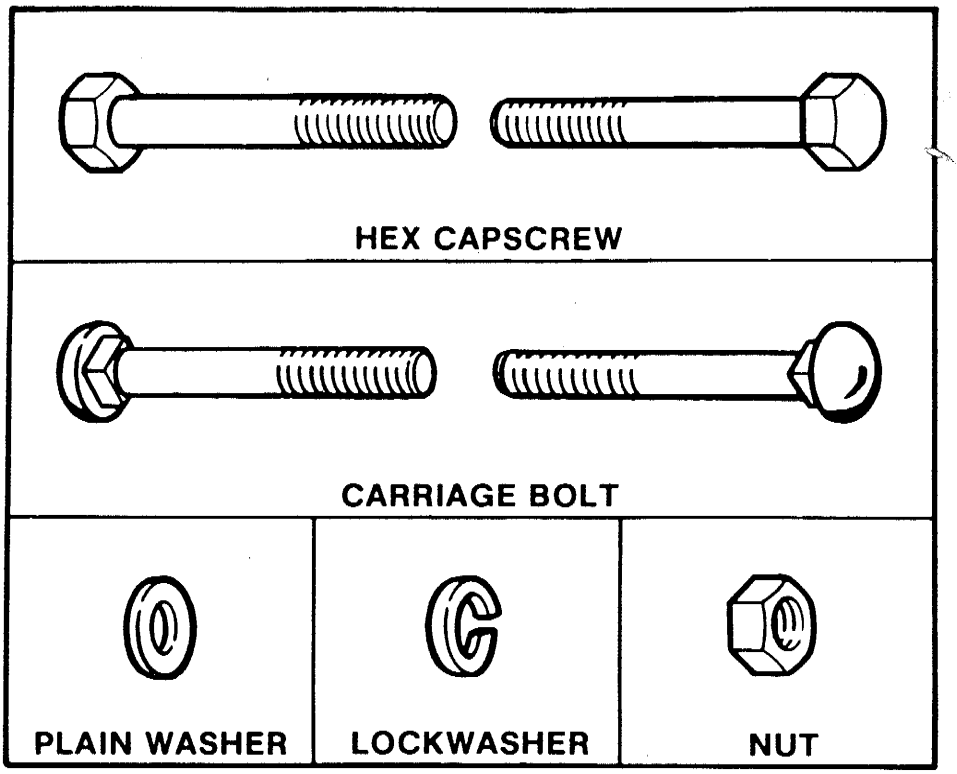
Figure 10

Attaching to Tractor

1. Attach the cart to the hitch using two clevis pins and spring clips. Position spring clips on inside of hitch.

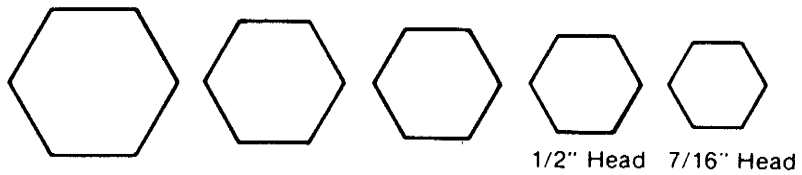
Dumping Loads

1. Back the tractor to the desired place for unloading. Shut off the tractor's engine before getting off the seat.
2. Lift the tailgate (A, Figure 9) up so that the slots (B) on the tailgate are just above the track (C). Swing the tailbate (D, Figure 10) down for unloading.
3. When dumping the cart's box, the tailgate can be removed by lifting it completely out of the track.
4. Move the latch handle (E) to the unlock position and dump the cart's box using the lift handle.



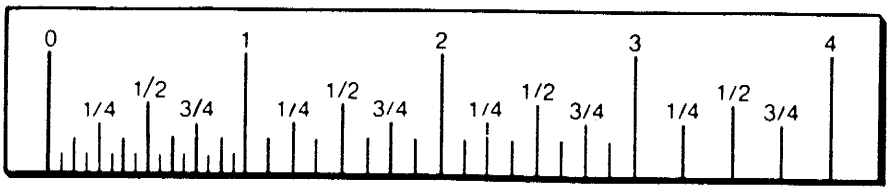
HEX CAPSCREW IDENTIFICATION

Shown below are actual size hex heads for standard screw sizes. Example: a 1/4" screw has a 7/16 head and thus requires a 7/16 wrench. To measure length, use the scale below.



3/4" Head screw with 1/2" S.D. | 5/8" Head screw with 7/16" S.D. | 9/16" Head screw with 3/8" S.D. | 1/2" Head screw with 5/16" S.D. | 7/16" Head screw with 1/4" S.D.

S.D. = Shaft Diameter



WASHER AND NUT IDENTIFICATION

Place the washer or nut on the above scale to determine the inside diameter. The actual inside diameter can vary 1/16 inch. Use the scale for comparison.

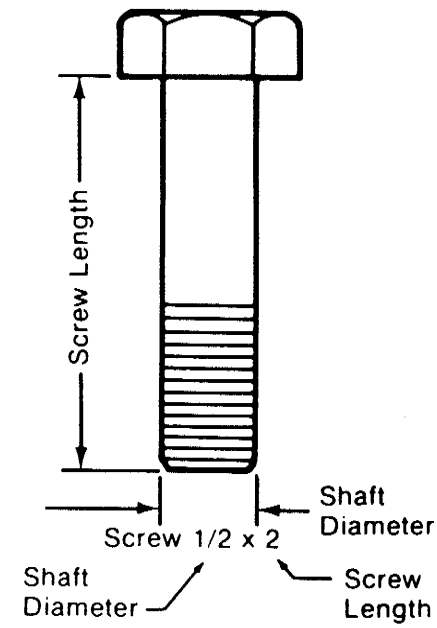
STANDARD FASTENER IDENTIFICATION CHART

Hardware sizes are given in the illustrations throughout this manual.

If a washer or nut is identified as "washer, 1/2" or "nut, 1/2", this means the inside diameter is 1/2 inch.

If a screw is identified as "screw, 1/2 x 2", this means the shaft diameter is 1/2 inch and the shaft of the screw is 2 inches long. If a screw is identified as "screw, 1/2-16 x 2", the number "16" means that the screw has 16 threads per inch.

SAMPLE: SCREW IDENTIFICATION



SAMPLE: NUT IDENTIFICATION